

Title (en)
DOWNLINK CONTROL SIGNALING

Title (de)
DOWNLINK-STEUERSIGNALISIERUNG

Title (fr)
SIGNALISATION DE COMMANDE DE LIAISON DESCENDANTE

Publication
EP 4131841 A1 20230208 (EN)

Application
EP 22197852 A 20160128

Priority

- US 201562109003 P 20150128
- US 201562144861 P 20150408
- US 201562161089 P 20150513
- EP 16706057 A 20160128
- US 2016015452 W 20160128

Abstract (en)

Techniques for efficient downlink control with a large number of carriers and/or TTIs are described. Techniques for blind decoding reduction may include making the search space and/or aggregation level of candidates for a first PDCCH/E-PDCCH associated with the characteristics of a second received PDCCH/E-PDCCH. Techniques may include embedding DCI for a set of serving cells and/or TTIs in a PDSCH. DCI for a set of serving cells and/or TTIs may be included in single PDCCH/E-PDCCH. To reduce overhead, carrier indicator field interpretation may be associated with the serving cell or TTI from which the PDCCH/E-PDCCH containing the downlink control information is received, or the group of cells or TTIs to which the PDCCH/E-PDCCH containing the downlink control information belongs.

IPC 8 full level
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CPC (source: CN EP US)
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Citation (search report)

- [X] WO 2014180188 A1 20141113 - ZTE CORP [CN]
- [A] US 2010103920 A1 20100429 - DAMNJANOVIC JELENA M [US], et al
- [A] EP 2555458 A2 20130206 - LG ELECTRONICS INC [KR]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016123393 A1 20160804; CN 107431603 A 20171201; CN 107431603 B 20200904; CN 112073166 A 20201211; CN 112073166 B 20231013; CN 117498999 A 20240202; CN 117499000 A 20240202; EP 3251276 A1 20171206; EP 3251276 B1 20221005; EP 4131841 A1 20230208; US 10785012 B2 20200922; US 11394522 B2 20220719; US 2018123769 A1 20180503; US 2020374094 A1 20201126; US 2022329400 A1 20221013

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US 2016015452 W 20160128; CN 201680018581 A 20160128; CN 202010801411 A 20160128; CN 202311211654 A 20160128; CN 202311213695 A 20160128; EP 16706057 A 20160128; EP 22197852 A 20160128; US 201615547250 A 20160128; US 202016989854 A 20200810; US 202217847594 A 20220623